



#21

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185254011.ST25.txt  
SEQUENCE LISTING<110> Kaumaya, Pravin T.  
Stevens, Vernon C.  
Triozi, Pierre L.<120> Polypeptides and Polynucleotides for Enhancing Immune Reactivity to HER-2  
Proteins

&lt;130&gt; 18525/04011

&lt;140&gt; 09/632,036

&lt;141&gt; 2000-08-03

&lt;150&gt; 60/146,869

&lt;151&gt; 1999-08-03

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&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

Thr Gly Thr Asp Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His  
1 5 10 15

Leu Asp Met

&lt;210&gt; 2

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro Val Thr  
1 5 10 15Gly Ala Ser Pro Gly Gly  
20

&lt;210&gt; 3

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 3

Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu Ala Leu Thr Leu  
1 5 10 15

Ile Asp Thr Asn Arg Ser

20

<210> 4  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 4

Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys Ser Pro  
 1 5 10 15

Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu Asp Cys Gln  
 20 25 30

Ser Leu Thr  
 35

<210> 5  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 5

Ala Leu Val Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro  
 1 5 10 15

Glu Gly Arg Tyr Thr  
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<210> 6  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 6

Pro Leu His Asn Gln Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Ala  
 1 5 10 15

Glu Lys Cys Ser Lys Pro Cys Ala  
 20

<210> 7  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 7

Pro Glu Ser Phe Asp Gly Asp Pro Ala Ser Asn Thr Ala Pro Leu Gln  
 1 5 10 15

Pro Glu

<210> 8  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 8

Leu Tyr Ile Ser Ala Trp Pro Asp Ser Leu Pro Asp Leu Ser Val Phe  
 1 5 10 15

Gln Asn Leu Gln  
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<210> 9  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 9

Leu Phe Arg Asn Pro His Gln Ala Leu Leu His Thr Ala Asn Arg Pro  
 1 5 10 15

Glu Asp Glu

<210> 10  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 10

Cys Leu Pro Cys His Pro Glu Cys Gln Pro Gln Asn Gly Ser Val Thr  
 1 5 10 15

Cys Phe Gly Pro Glu Ala Asp Gln Cys Val Ala Cys Ala His Tyr Lys  
 20 25 30

Asp Pro

<210> 11  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 11

Lys Pro Asp Leu Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu Glu  
 1 5 10 15

Gly Ala

<210> 12  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 12

Ile Asn Gly Thr His Ser Cys Val Asp Leu Asp Asp Lys Gly Cys Pro  
 1 5 10 15

Ala Glu Gln Arg Ala Ser  
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<210> 13  
 <211> 19  
 <212> PRT  
 <213> Clostridium tetani

<400> 13

Asn Ser Val Asp Asp Ala Leu Ile Asn Ser Thr Ile Tyr Ser Tyr Phe  
 1 5 10 15

Pro Ser Val

<210> 14  
 <211> 17  
 <212> PRT  
 <213> Clostridium tetani

<400> 14

Pro Gly Ile Asn Gly Lys Ala Ile His Leu Val Asn Asn Gln Ser Ser  
 1 5 10 15

Glu

<210> 15  
 <211> 15  
 <212> PRT  
 <213> Clostridium tetani

<400> 15

Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu  
 1 5 10 15

<210> 16  
 <211> 21

<212> PRT  
 <213> Clostridium tetani

<400> 16

Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser  
 1 5 10 15

Ala Ser His Leu Glu  
 20

<210> 17  
 <211> 15  
 <212> PRT  
 <213> Measles virus

<400> 17

Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val  
 1 5 10 15

<210> 18  
 <211> 15  
 <212> PRT  
 <213> Hepatitis B virus

<400> 18

Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu Asn  
 1 5 10 15

<210> 19  
 <211> 20  
 <212> PRT  
 <213> Plasmodium falciparum

<400> 19

Thr Cys Gly Val Gly Val Arg Val Arg Ser Arg Val Asn Ala Ala Asn  
 1 5 10 15

Lys Lys Pro Glu  
 20

<210> 20  
 <211> 4  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> synthetic sequence

<400> 20

Gly Pro Ser Leu  
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<210> 21  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 21

Ile Leu Trp Lys Asp Ile Phe His Lys  
1 5

<210> 22  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 22

Ile Leu Lys Glu Thr Glu Leu Arg Lys  
1 5

<210> 23  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 23

Val Leu Arg Glu Asn Thr Ser Pro Lys  
1 5

<210> 24  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 24

Ala Ala Arg Pro Ala Gly Ala Thr Leu  
1 5

<210> 25  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 25

Leu Pro Ala Ser Pro Glu Thr His Leu  
1 5

<210> 26  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 26

Leu Pro Thr His Asp Pro Ser Leu Pro Leu  
 1 5 10

<210> 27  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 27

Cys Arg Trp Gly Leu Leu Leu Ala Leu  
 1 5

<210> 28  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 28

Arg Arg Phe Thr His Gln Ser Asp Val  
 1 5

<210> 29  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 29

Gly Arg Ile Leu His Asn Gly Ala Tyr  
 1 5

<210> 30  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 30

Thr Tyr Leu Pro Thr Asn Ala Ser Leu  
 1 5

<210> 31  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 31

Glu Tyr Val Asn Ala Arg His Cys Leu  
 1 5

<210> 32  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 32

Ala Tyr Ser Leu Thr Leu Gln Gly Leu  
1 5

&lt;210&gt; 33

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 33

Ala Leu Cys Arg Trp Gly Leu Leu Leu  
1 5

&lt;210&gt; 34

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 34

His Leu Tyr Gln Gly Cys Gln Val  
1 5

&lt;210&gt; 35

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

Gln Leu Arg Ser Leu Thr Glu Ile Leu  
1 5

&lt;210&gt; 36

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 36

Ile Leu His Asn Gly Ala Tyr Ser Leu  
1 5

&lt;210&gt; 37

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 37

Ile Leu Leu Val Val Val Leu Gly Val  
1 5

&lt;210&gt; 38



<211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 38

Asp Leu Thr Ser Thr Val Gln Leu Val  
 1 5

<210> 39  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 39

Val Leu Val Lys Ser Pro Asn His Val  
 1 5

<210> 40  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 40

Lys Ile Phe Gly Ser Leu Ala Phe Leu  
 1 5

<210> 41  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 41

Ile Ile Ser Ala Val Val Gly Ile Leu  
 1 5

<210> 42  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 42

Ile Asn Gly Thr His Ser Cys Val Asp Leu Asp Asp Lys Gly Cys Pro  
 1 5 10 15

Ala Glu Gln Arg  
 20